



Publications

NASA's Office of Space Science is proud of the contributions many of its science and applications researchers, scientists, and engineers make to professional organizations and publications. if you have been published in the last six months and wish to be noted in this newsletter, send the citation to:

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Portability and Performance Comparison of the Message Passing Toolkit on the Cray J90 and Cray T3E Systems by A. Hudson, J. Miller, and A. Wang of the Science Computing Branch NASA Center for Computational Sciences (NCCS) at Goddard Space Flight Center (GSFC), will be presented at the Cray User Group Conference in May 97 in San Jose.

Frontside Reconnection Dynamics and Topology: Results Using an Unstructured Grid MHD Model With Adaptive Mesh Refinement by S. T. Zalesak, D. S. Spicer, S. A. Curtis, C. M. Mobarry, F. Kazeminezhad, R. Lohner, J.D. Huba, G. R. Joyce, T. Lui, D. Sibeck, and K. Papadopoulos, all of the GSFC NCCS, was presented at the American Geological Union Conference, Fall 1996.

The refereed presentation, *Preliminary Insights on Shared Memory PIC Code Performance on the Convex Exemplar SPP1000* by P. MacNeice/Hughes STX, C. M. Mobarry of GSFC, J. Crawford of the Universities Space Research Association, T. L. Sterling of Caltech was made at Frontiers '96.

The refereed presentation *Particle-Mesh Techniques on the MasPar* by P. MacNeice/Hughes STX, C. Mobarry/GSFC, K. Olson of George Mason University was made at Frontiers '96.

The refereed presentation *Determining Performance Characteristics of Oxford BSP on a Beowulf* by J. Crawford, C. Mobarry, and D. Ridge of the GSFC NCCS was made at the Bulk Synchronous Parallel Birds-of-Feather group, Supercomputing '96.